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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Applicati n Number	10/041,957
				Filing Dat	1/7/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Bihn Tat
Sheet	1		7	Attorney Docket Number	SPLX.P0044

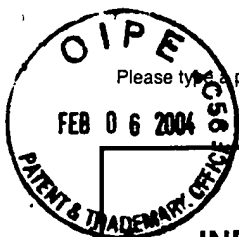
U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No. ¹	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
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	2.	2002/0182 844	A1	12-05-2002	Igarashi et al.	
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	20.	6,150,193		11-21-2000	Glenn	

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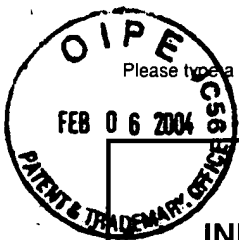
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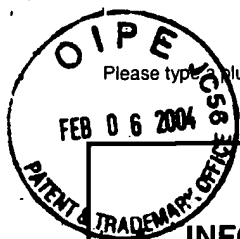
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		Office ³	Number ⁴	Kind Code (if known)				
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	43.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	44.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	45.	JP	H05-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	46.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
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FOREIGN PATENT DOCUMENTS								
	48.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√

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NON PATENT LITERATURE DOCUMENTS

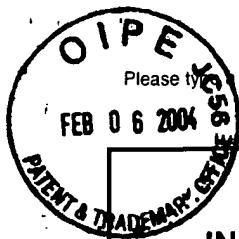
Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
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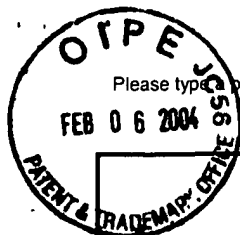
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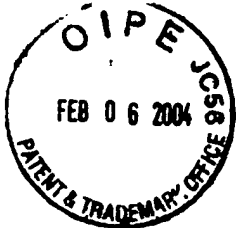
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Serial/Patent No.: 10/041,957
Filing Date: 1/7/02
Atty Docket: SPLX.P0044
Applicant(s): Steven Teig

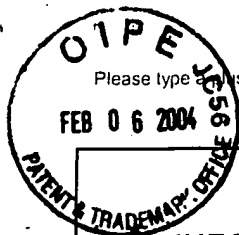
Atty/Secty: MA/ka
Date Mailed: 9/26/2003

TITLE: Method and Apparatus for Pre-Computing Routes

The following has been received by the U.S. Patent & Trademark Office on the date stamped hereon:

1. Transmittal Form
2. Information Disclosure Statement (3 pages)
3. Form PTO-1449 (1 page)
4. (13) cited references





9/26/03

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet	1	of	1	Application Number	10/041,957
				Filing Date	1/7/02
				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	SPLX.P0044

U.S. PATENT DOCUMENTS

Examiner' Initials	Cite No. ¹	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number				
	1.	2003/0101428 S/N 10/040,915		01-05-2002	Steven Teig et al.	Previously specified
	2.	2003/0043827 S/N 10/040,953		01-05-2002	Steven Teig et al.	Previously specified
	3.	2003/0023943 S/N 10/040,954		01-05-2002	Steven Teig et al.	Previously specified
	4.	2003/0066042 S/N 10/040,963		01-05-2002	Steven Teig et al.	Previously specified
	5.	2002/0174412 S/N 10/041,942		01-07-2002	Steven Teig et al.	Previously specified
	6.	2002/0199165 S/N 10/046,864		01-13-2002	Steven Teig et al.	Previously specified
	7.	2003/0056187 S/N 10/047,982		01-14-2002	Steven Teig et al.	Previously specified
	8.	2002/0073390 S/N 09/737,210		12-13-2000	Steven Teig et al.	Previously specified
	9.	2002/0124231 S/N 09/739,580		12-15-2000	Steven Teig et al.	Previously specified
	10.	2003/0121015 S/N 09/745,067		12-19-2000	Steven Teig et al.	Previously specified
	11.	2002/0166105 S/N 10/040,948		01-05-2002	Steven Teig et al.	Previously Specified
	12.	2003/0088841 S/N 10/329,241		12-23-2002	Steven Teig et al.	Previously specified
	13.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Continuation of the parent application (2003/0079193) of the present application.

Examiner Signature	Date Considered
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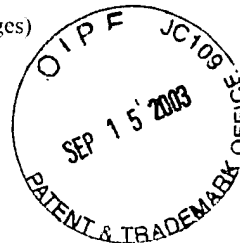
Serial/Patent No.: 10/041,957
Filing Date: 1/7/02
Atty Docket: SPLX.P0044
Applicant(s): Steven Teig

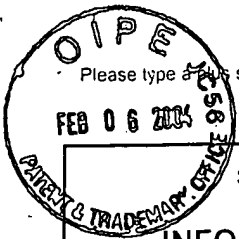
Atty/Secty: MA/ka
Date Mailed: 9/12/2003

TITLE: Method and Apparatus for Pre-Computing Routes

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3. Form PTO-1449 (3 pages)
4. (32) cited references





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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	10/041,957		
Filing Date	1/4/02		
First Named Inventor	Steven Teig		
Group Art Unit			
Examiner Name			
Attorney Docket Number	SPLX.P0044		
Sheet	1	of	1

RELATED U.S. PATENT DOCUMENTS

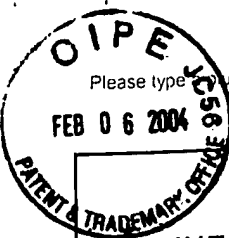
Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Date of Filing MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
	1.	2003/0079193	12-07-2001	Steven Teig et al.	Parent application; present application is a continuation of 2003/0079193.
	2.	2003/0018947	12-07-2001	Steven Teig et al.	Application filed on the same day as the parent application 2003/0079193, with the same specification as the present application except for summary and abstract.
	3.	2002/0147958	10-19-2001	Steven Teig et al.	Parent application per the preliminary amendment dated 2/19/03.
	4.	2003/0063614	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	5.	2003/0064559	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	6.	2003/0063568	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	7.	2003/0101428	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	8.	2002/0166105	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	9.	2003/0043827	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	10.	2003/0023943	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	11.	2003/0066042	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	12.	2002/0174412	01-07-2002	Steven Teig et al.	Continuation of 2003/0079193.
	13.	2002/0199165	01-13-2002	Steven Teig et al.	Continuation of 2003/0079193.
	14.	2003/0066043	01-13-2002	Steven Teig et al.	Continuation of 2003/0088844 per preliminary amendment.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/041,957
				Filing Date	1/4/02
				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	SPLX.P0044

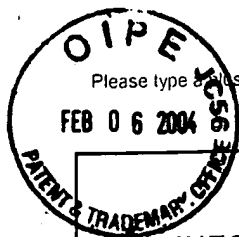
RELATED U.S. PATENT DOCUMENTS					
	15.	2003/0115566	01-13-2002	Steven Teig	Continuation of 2003/0088844 per preliminary amendment.
	16.	2003/0056187	01-14-2002	Steven Teig et al.	Continuation of 2003/0079193.
	17.	2003/0066044	01-13-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	18.	2003/0066045	01-13-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	19.	2002/0133798	12-06-2000	Steven Teig et al.	Application regarding related placement technology
	20.	2002/0100007	12-06-2000	Steven Teig et al.	Application regarding related placement technology
	21.	2002/0073390	12-13-2000	Steven Teig et al.	Application regarding related placement technology
	22.	S/N 09/737,220	12-13-2000	Steven Teig et al.	Application regarding related placement technology
	23.	S/N 09/737,245	12-13-2000	Steven Teig et al.	Application regarding related placement technology
	24.	S/N 09/739,460	12-15-2000	Steven Teig et al.	Application regarding related placement technology
	25.	2002/0124231	12-15-2000	Steven Teig et al.	Application regarding related placement technology
	26.	S/N 09/739,589	12-15-2000	Steven Teig et al.	Application regarding related placement technology
	27.	S/N 09/742,171	12-19-2000	Steven Teig et al.	Application regarding related placement technology
	28.	2003/0121015	12-19-2000	Steven Teig et al.	Application regarding related placement technology
	29.	2002/0069397	01-13-2002	Steven Teig et al.	Application regarding related placement technology
	30.	2002/0170027	02-20-2002	Steven Teig et al.	Application regarding related placement

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				Filing Date	1/4/02
				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	SPLX.P0044

RELATED U.S. PATENT DOCUMENTS						
						technology
	31.	2002/0157075		02-20-2002	Steven Teig et al.	Application regarding related placement technology
	32.	2003/0088841		12-23-2002	Steven Teig et al.	Application regarding related placement technology

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Information Disclosure Statement (L
in PTO-1449 (5 pages)

Serial/Patent No.: 10/041,957
Filing Date: 1/7/02
Atty Docket: SPLX.P0044
Applicant(s): Steven Teig

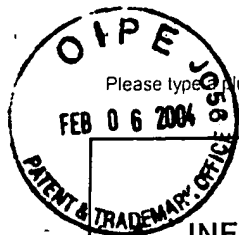
Atty/Secty: MA/sl
Date Mailed: 4/23/2003

TITLE: Method and Apparatus for Pre-Computing Routes

The following has been received by the U.S. Patent & Trademark Office on the date stamped hereon:

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- 3. Form PTO-1449 (5 pages)
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/041,957
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				First Named Inventor	Steven Teig
				Group Art Unit	2825
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Sheet	1	of	1	Attorney Docket Number	SPLX.P0044

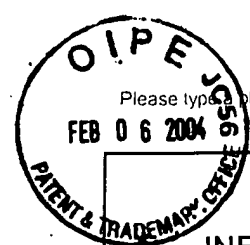
U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	2001/ 0003843	A1	Scepanovic et al.	06-14-01	
	2.	4,615,011		Linsker	09-30-86	
	3.	4,673,966		Shimoyama	06-16-87	
	4.	4,782,193		Linsker	11-01-88	
	5.	4,855,929		Nakajima	08-08-89	
	6.	5,097,422		Corbin II et al.	03-17-92	
	7.	5,251,147		Finnerty	10-05-93	
	8.	5,281,151		Arima et al.	01-25-94	
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	10.	5,375,069		Satoh et al.	12-20-94	
	11.	5,532,934		Rostoker	07-02-96	
	12.	5,578,840		Scepanovic	11-26-96	
	13.	5,633,479		Hirano	05-27-97	
	14.	5,634,093		Ashida et al.	05-27-97	
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	17.	5,657,242		Sekiyama et al.	08-12-97	
	18.	5,723,908		Fuchida et al.	03-03-98	
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	21.	5,777,360		Rostoker et al.	07-07-98	
	22.	5,811,863		Rostoker et al.	09-22-98	
	23.	5,822,214		Rostoker et al.	10-13-98	
	24.	5,859,449		Kobayashi et al.	01-12-99	

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/041,957
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				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	SPLX.P0044

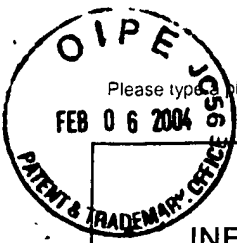
U.S. PATENT DOCUMENTS						
	25.	5,898,597		Scepanovic et al.	04-27-99	
	26.	5,914,887		Scepanovic et al.	06-22-99	
	27.	5,973,376		Rostoker et al.	10-26-99	
	28.	6,035,108		Kikuchi	03-07-00	
	29.	6,058,254		Scepanovic et al.	05-02-00	
	30.	6,067,409		Scepanovic et al.	05-23-00	
	31.	6,068,662		Scepanovic et al.	05-30-00	
	32.	6,123,736		Pavisc et al.	09-26-00	
	33.	6,134,702		Scepanovic et al.	10-17-00	
	34.	6,155,725		Scepanovic et al.	12-05-00	
	35.	6,175,950	B1	Scepanovic	01-16-01	
	36.	6,216,252	B1	Dangelo et al.	04-10-01	
	37.	6,230,306	B1	Raspopovic et al.	05-08-01	
	38.	6,247,167	B1	Raspopovic et al.	06-12-01	
	39.	6,260,179	B1	Ohsawa et al.	07-10-01	
	40.	6,262,487	B1	Igarashi et al.	07-17-01	
	41.	6,289,495	B1	Raspopovic	09-11-01	
	42.	6,301,686	B1	Kikuchi et al.	10-09-01	
	43.	6,327,694	B1	Kanazawa	12-04-01	
	44.	6,378,121	B2	Hiraga	04-23-02	
	45.	6,385,758	B1	Kikuchi et al.	05-07-02	
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	48.	6,412,097	B1	Kikuchi et al.	06-25-02	
	49.	6,412,102	B1	Andreev et al.	06-25-02	
	50.	6,436,804	B2	Igarashi et al.	08-20-02	
	51.	6,446,245	B1	Xing et al.	09-03-02	

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				Filing Date	1/7/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	SPLX.P0044

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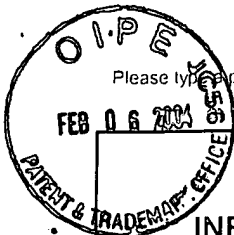
FOREIGN PATENT DOCUMENTS								
Examiner's Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ²	Number ⁴	Kind Code (if known) ³				
	55.	JP	64-15947		Ouchi	01-19-89		
	56.	JP	04000677		Fujiwara et al.	01-1992		

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Sheet	4	of	4

NON PATENT LITERATURE DOCUMENTS

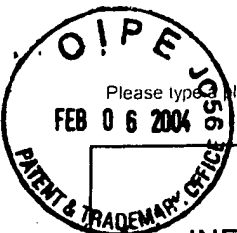
Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
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